

# Agricultural Engineering

"The Profession with a Future"

1972

## ENGINEERING OPEN HOUSE

March 10 & 11, 1972

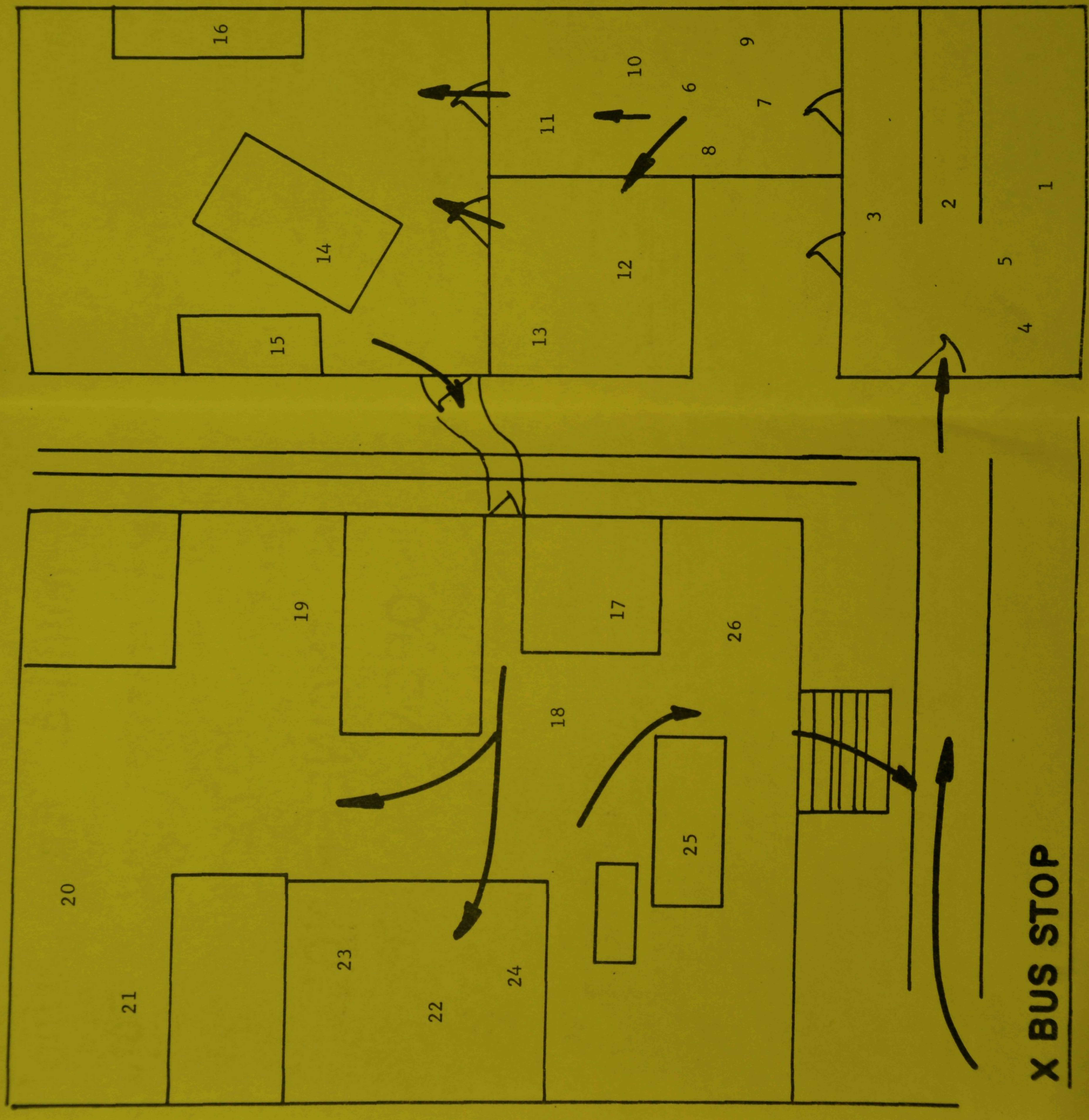
Welcome to Agricultural Engineering OPEN House. Agricultural Engineering is the application of engineering principles to agricultural problems. Main areas of interest are Mechanization, Structures, Environment, Soil and Water Conservation, and Electrical Power and Processing. Agricultural engineers find challenging opportunities upon graduation ranging from development of environmental control systems for livestock production to the design of harvesting machines for fruits and vegetables. The Agricultural Engineering Department is small enough that each student can be given individual attention.

Thank you for touring the Agricultural Engineering Building. Please feel free to ask questions. Come again. If you would like more information about Agricultural Engineering write to Dr. Frank B. Lanham, Head, Agricultural Engineering Department, University of Illinois, Urbana, Illinois 61801.



# Agricultural Engineering Tour

Numbers correspond to  
Exhibits listed on back  
page



**X BUS STOP**



## Exhibits

1. Model Oxidation Ditch by Ben Schmidt
2. Nitrate Reduction
3. International Harvester Conservation Dome
4. Model Channel and Weir
5. Reliability of a Farm Pond as a Source of Water Supply by Richard Demick
6. Radio Controlled Cow Feeder
7. Equilibrium Moisture Content by Bob Gustafson
8. Instron Testing Machine
9. Low-Temperature Drying of Corn
10. Toxicity Level for Catfish in Confinement
11. Damage to Shelled Corn in Vertical Bucket Elevator by Earl Williams
12. Hail Damage to Siding Material
13. Development of Concrete Wall Panel System
14. Noise of Radiator Fans by Randy Theis
15. Pesticide Spray Patterns by Al Schweigert
16. Soil Bin
17. Analog Computer Simulation of Heat Flow Through Concrete Wall Panels
18. John Deere Electronic Garden Tractor
19. USDA Grain Analysis Computer
20. J. D. Plateless and IH Cyclo Planters
21. Frequency Study of Muffler Shells Excited by Shock Tube by Bill Heimann and Tom Harr
22. Similtude Study of Oxidation Ditch by Carl Winters
23. Anaerobic Digestion of Swine Manure by John Roll
24. Impact of Pollution on Farms Slide - Narration
25. Agricultural Engineering Works for a Better Way of Life. ASAE STUDENT BRANCH by Jim Guthridge and Al Humke
26. Information Table

### Agricultural Engineering Open House

Frank B. Lanham - Department Head

John C. Siemens - Faculty Adviser

Student Committee

Ron Schneider - Chairman

Exhibits - Bill Heimann, Earl Williams,  
Ben Schmidt

Tours - Ron Elliott

Program - Mike Flenniken

Publicity - Paul Klazura